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	Application No.	Applicant(s)		
Notice of Allowability	10/781,492	NIEMINEN, ESKO		
	Examiner	Art Unit		
	DON N. VO	2611		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.				
1. This communication is responsive to the application filed on	<u>n 2/18/2004</u> .			
2. The allowed claim(s) is/are <u>1-5</u> .				
 3.				
2. Certified copies of the priority documents have	been received in Application No	·		
Copies of the certified copies of the priority do	cuments have been received in this r	national stage application from the		
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.				
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give				
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.				
(a) including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-9	948) attached		
1) 🗌 hereto or 2) 📗 to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1				
each sheet. Replacement sheet(s) should be labeled as such in t				
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.				
Attachment(s)				
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	• •		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 Interview Summary Paper No./Mail Dat 			
3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 5/24/04	7. Examiner's Amendn			
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. X Examiner's Stateme	nt of Reasons for Allowance		
	9.			

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

References Bickerstaff (US 2002/0162074), Kim (US 6,504,882), Agazi et al (US 2066/0245487), and Kaewell, JR. (US 2006/0262832) are cited because they are pertinent to the Trellis decoder. However, none of the cited references teaches or suggests a decoder for a trellis code comprising, in combination, the arrangements of a path metrics calculation unit for calculating path metrics over at least two trellis columns in a trellis, the path metrics calculation unit including an input interface for Old path metrics and an output interface for new path metrics; a memory for storing path metrics of the trellis, the memory including a read interface for reading old path metrics from the memory and a write interface for writing new path metrics into the memory; an input multiplexer connected between the read interface of the memory and the input interface of the path metrics calculation unit; an output multiplexer connected between the output interface of the path metrics calculation unit and the write interface of the memory; and, especially, a control for controlling configuration of the input multiplexer and configuration of the output multiplexer on the basis of states of the trellis, which state of the trellis defines the way the old path metrics and the new path metrics relate to each other, whereby internal configuration of the path metrics calculation unit remains the same for different code constraint lengths.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Application/Control Number: 10/781,492 Page 3

Art Unit: 2611

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DON N. VO whose telephone number is (571) 272-3018. The examiner can normally be reached on Mon-Fri (9:00AM - 6:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JAY PATEL can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

DON N. VO

Primary Examiner

Art Unit 2611